

HYDROSTATIC POWER

Can we use the TZUY TURBINE harness the water (hydrostatic) pressure found in lakes, seas, or oceans to produce inexhaustible source of electrical energy?

In the last quarter of 2008 my careful investigation of our TZUY TURBINE leads me to discover another source of inexhaustible energy which is known to all but remained unused. We understand that the deeper the water (lake, sea or ocean) the higher the pressure of water. Submersible vehicles like the submarine is made strong to withstand the enormous pressure of water below the water surface. This water (hydrostatic) pressure is an inexhaustible source of energy but it is stagnant or not moving. We all know that stagnant energy or stored energy is not possible to produce usable energy until it is released. The potential energy should be converted first to kinetic energy in order to do work.

The problem now is how to convert the stagnant energy as in water (hydrostatic) pressure into kinetic energy in order to do work. How can we use it for the advantage of humanity? Can we be able to make the enormous water pressure from the depths move or spin a turbine to produce electricity? The answer is YES! We can absolutely do it.

The twin rotor TZUY TURBINE when submerged can be used automatically to pump water from the depths at high pressure. The submerged TZUY TURBINE will act as a driving turbine to spin another TZUY TURBINE of the same type on land which will act as a driven turbine where the electric generator is coupled on the turbine's shaft. Please see Fig. 2 on page 68.

This is just like two syringes filled with water in which the two opening or outlet are fitted or connected with rubber tubing. When one plunger or piston of the syringe is moved or pushed inward, the hydraulic fluid or water inside will push the other piston of the syringe. The piston that is moved inward inside the syringe is the driving piston. The other piston that is being moved with equal power is the driven piston. Please see Fig. 1 on next page.

The hydraulic fluid concentration in two syringes in the example has the same principle used in the TZUY TURBINE. The submerged TZUY TURBINE and the TZUY TURBINE on land has the same rotary power if both turbine have the same size. You may think how will it happen? How can the twin rotor TZUY TURBINE rotate from the depths when the water is stagnant? Please turn to page 69.